INTERNATIONAL SEARCH REPORT

PCT/EP 03/06606

A. CLASSIFI	CATION OF SUBJECT	MATTER
IPC 7	CO1B33/158	B01J13/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system rollowed by classification symbols) IPC 7 C01B B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, CHEM ABS Data

C. DOCUM	INTS CONSIDERED TO BE RELEVANT	·
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
А	US 4 610 863 A (HUNT ARLON J ET AL) 9 September 1986 (1986-09-09) claims 1-5 column 3, line 14-65 column 5, line 47-53; table 1	1-10
A	US 5 795 557 A (DURANT MARCEL ET AL) 18 August 1998 (1998-08-18) claims 1-5 column 2, line 60 -column 3, line 6 column 4, line 4 -column 5, line 59	1-10
A	DE 196 16 263 A (SOLVAY DEUTSCHLAND) 30 October 1997 (1997-10-30) claims page 2, line 20-67; example 4 -/	1–10

Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disdosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 26 August 2003	Date of mailing of the international search report 03/09/2003
Name and malling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Authorized officer Rhodes, K

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C.(Continu: Category •	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
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A	US 5 686 031 A (CORONADO PAUL R ET AL) 11 November 1997 (1997-11-11) claims 1-18 column 3, line 35-53 column 4, line 25-30 examples	1-10
A	WO 02 04370 A (NOVARA TECHNOLOGY S R L;LORENZO COSTA (IT); SPARPAGLIONE MASSIMO) 17 January 2002 (2002-01-17) claims 1,15-18 page 5, line 21 -page 6, line 18 page 11, line 30 -page 12, line 30	1-10
A	US 6 315 971 B1 (SMITH DOUGLAS M ET AL) 13 November 2001 (2001-11-13) column 2, line 18-22 column 5, line 11 -column 6, line 43	1-10
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